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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

84

Application Number

09/918,187

Filing Date

07-30-2001

First Named Inventor

Rosanne M. Crooke

Art Unit

Examiner Name

Attorney Docket Number

15PH-0590

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
 - ☐ After Final
 - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/Incomplete Application
 - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
 - ☐ Petition to Convert to a Provisional Application
 - ☒ Power of Attorney, Revocation
 - ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ Landscape Table on CD

- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):

Remarks
Statement under 3.73(b)

table

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name
Isis Pharmaceuticals, Inc.

Signature
Donna T. Ward

Printed name
Donna T. Ward, Ph.D.

Date
9-30-05

Reg. No. 48,271

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

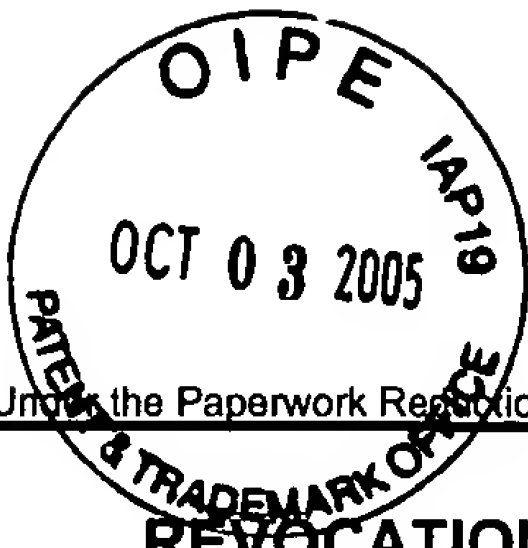
Signature
Pamela Grooms

Typed or printed name
Pamela Grooms

Date
9/30/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/82 (09-04)

Approved for use through 11/30/2005. OMB 0651-0035

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**REVOCATION OF POWER OF
ATTORNEY WITH
NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	See Attached Table
Filing Date	See Attached Table
First Named Inventor	See Attached Table
Art Unit	
Examiner Name	
Attorney Docket Number	See Attached Table

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

56,907

☐ Please change the correspondence address for the above-identified application to:

☒ The address associated with
Customer Number:

56,907

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Grantland E. Bryce

Name

Grantland E. Bryce, Esq.

Date

09/29/2005

Telephone

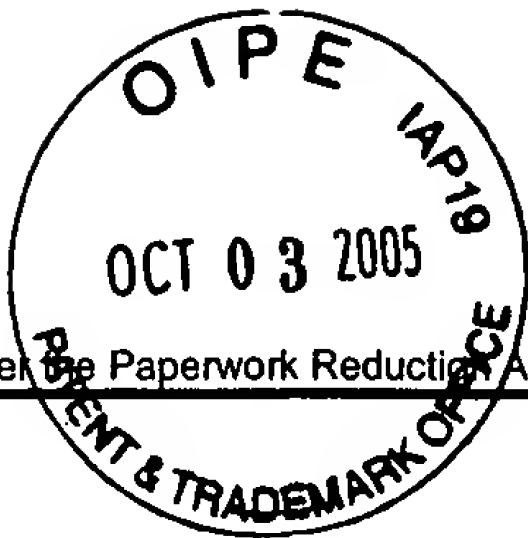
760 931-9200

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/96 (09-04)

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Isis Pharmaceuticals, IncApplication No./Patent No.: See Attached Table Filed/Issue Date: See Attached TableEntitled: See Attached TableIsis Pharmaceuticals, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel See Attached Table, Frame See Attached Table, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
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☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

09/29/2005

Date

Grantland E. Bryce, Esq.

Printed or Typed Name

760 931-9200

Telephone Number

Vice President and General Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Table A	Serial Number	Filing Date	Title	Reel	Frame	Inventor	Docket Number	New Customer Number
	10/641,455	08/15/2003	ANTISENSE MODULATION OF P38 MITOGEN ACTIVATED PROTEIN KINASE EXPRESSION	15303	640	Monia, Brett P.	ISPH-0762	55,389
	10/672,866	09/26/2003	ANTISENSE MODULATION OF SUPEROXIDE DISMUTASE 1, SOLUBLE EXPRESSION	15848	152	Bennett, C. Frank	RTS-0242US.P1	55,389
	60/656,760	02/25/2005	COMPOSITIONS AND THEIR USES DIRECTED TO IL-4R ALPHA	16190	206	Karras, James G.	RTS-0792US.L	55,389
	60/688,897	06/09/2005	COMPOSITIONS AND THEIR USES DIRECTED TO IL-4R ALPHA	16546	1	Gregory, Susan	RTS-0792US.L2	55,389
	10/418,780	04/16/2003	MODULATION OF APOLOPROTEIN C-III EXPRESSION	13991	266	Crooke, Rosanne M.	BIOL0004US	55,389
	10/641,962	08/15/2003	OLIGONUCLEOTIDE COMPOSITIONS AND METHODS FOR THE MODULATION OF THE EXPRESSION OF B7 PROTEIN	15121	371	Bennett, C. Frank	BIOL0020US	55,389
	10/789,526	02/26/2004	MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND INSULIN-LIKE GROWTH FACTOR EXPRESSION	15045	310	Tachas, George	BIOL0002US	55,389
	10/789,526	02/26/2004	MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND INSULIN-LIKE GROWTH FACTOR EXPRESSION	15045	545	Tachas, George	BIOL0002US	55,389
	10/927,466	08/25/2004	MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND INSULIN-LIKE GROWTH FACTOR EXPRESSION	15987	384	Tachas, George	BIOL0002US.P1	55,389
	10/927,466	08/25/2004	MODULATION OF GROWTH HORMONE RECEPTOR EXPRESSION AND INSULIN-LIKE GROWTH FACTOR EXPRESSION	15987	381	Tachas, George	BIOL0002US.P1	55,389
	09/918,187	07/30/2001	ANTISENSE MODULATION OF STEAROYL-COA DESATURASE EXPRESSION	13206	841	Crooke, Rosanne M.	ISPH-0590	56,907
	10/619,253	07/15/2003	ANTISENSE MODULATION OF STEAROYL-COA DESATURASE EXPRESSION	13206	841	Crooke, Rosanne M.	ISPH-0590US.P1	56,907
	10/643,801	08/18/2003	MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 2 EXPRESSION	15031	790	Bhanot, Sanjay	RTS-0678US	56,907
	10/803,482	03/18/2004	MODULATION OF DIACYLGLYCEROL ACYLTRANSFERASE 1 EXPRESSION	14711	949	Monia, Brett P.	BIOL0003US	56,907